## WELL SUMMARY

| Location ID: <u>BIM-15-305</u> Field Representative(s): <u>G. Contaldo, C. Werden</u>   |   |
|---|---|
| Northing: <u>229884.04</u> Easting: <u>410430.33</u>  | 1   |
| Date Started: 30 March 1989 Date  | te Completed: <u>14 April 1989</u>  |
| Drilling Method: <u>Mud/Air-Foam Rotary</u> Drilling  | g Contractor: <u>Larjon</u>   |
| Driller: T. Crawford  |   |
| Total Depth Borehole: 325.10' Total Depth   | Well Casing: 320.6'   |
| Total Depth Surface Casing:   |   |
| Diameter Well Casing: 4 inch Diameter Sur   | rface Casing: <u>8 inch</u>   |
| Length of Bottom Blank:5'   |   |
| Type of Screen: 10' Regular Strength 0.02 slot  |   |
| Screen Interval: 305.0' to 315.3'   |   |
| Water First Detected: 290.0' Water Level Open Borehole: 262.45'   |   |
| Water Level Cased Borehole: 262.10'   |   |
| EZ Mud use: 57 gallons  |   |
| Quik-Foam use: 1.5 gallons  |   |
| Estimated Water use: 10,908 gallons used during drilling -4,937 gallons recirculated  |   |
| 5,971 gallons introduced into borehole  |   |
|   |   |
| Well Casing:  |   |
| 4in x 3ft SCD 40 PVC:<br>4in x 5ft SCD 40 PVC: 1<br>4in x 10ft SCD 40 PVC: 24<br>4in x 20ft SCD 40 PVC:<br>Total SCD 40 PVC pipe: 245 ft                  | stock SS centralizer: custom SS centralizer:  4"x2' SS locking riser:  4" SS locking cap:  4" SS female cap:  1     |
| 4in x 3ft SCD 5 SS pipe:<br>4in x 5ft SCD 5 SS pipe: 1(stool)<br>4in x 10ft SCD 5 SS pipe: 2<br>4in x 20ft SCD 5 SS pipe: 2<br>Total SCD 5 SS pipe: 65 ft | 4in x 5ft SCD 10 SS pipe:<br>4in x 10ft SCD 10 SS pipe:<br>4in x 20ft SCD 10 SS pipe:<br>Total SCD 10 SS pipe: 0 ft |

LOCATION ID: \_\_BIM-15-30<sup>F</sup> \_\_\_

## Well Completion:

 100# bags 16/40 sand:
 6 bags

 100# bags 10/20 sand:
 0 bags

 100# bags 8/14 sand:
 3 bags

 100# bags 8/20 sand:
 4.5 bags

94# bags cement: 45 bags

5 gal. buckets bentonite: 0 buckets

50# bentonite powder: 5 bags

Benseal: 1 bag EZ Mud: 2 cups

Surface Casing:

94# bags cement: 100 bags

50# bags bentonite powder: 9 bags

## Pertinent Field Notes:

03/03/89 Drilled 0'-50' with mud rotary (EZ Mud polymer). Installed fence. 03/31/89 Drilled 50'-110' with EZ mud rotary. 04/01/89 Drilled 110'-180' with EZ mud rotary. 04/02/89 Drilled 180'-240' with EZ mud rotary. 04/03/89 Drilled 240'-270' with EZ mud rotary; ash-flow tuff encountered at 256'. 04/04/89 Drilled 270'-290' with EZ mud rotary, installed surface casing to 290'; pressure grouted surface casing-grout settled 40' below ground surface; 0-290' using 12 1/4 inch tricone bit. 04/05/89 Set-up BE rig over borehole. 04/06/89 Completed grouting surface casing to ground level. Drilled 290'-325' with air-foam rotary; water first detected at 290'. Water 04/10/89 level rose to 262.45' indicating artesian conditions; 290'-325' using 7 7/8 inch tricone bit.

04/11/89 Installed well casing, sand pack, and uppermost plug (pumped).

04/12/89 Installed sand above plug and first load of grout to 50' below ground surface.

04/13/89 Installed second load of grout to ground level and poured pad.

04/14/89 Developed well using bailer.

- 04/28/89